PATENT
PD-YR0-55

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: WILLIAM D. NATIONS ET AL. : Date: April 25, 2002
Serial No.: 09/713,121 :
Filed: November 15, 2000 : Group Art Unit: 2681
For: Broadband Communication Systems and Methods :
Using Low and High Bandwidth Request and Broadcast Links : Examiner: Miguel D. Green

AMENDMENT

RECEIVED

Commissioner of Patents and Trademarks
Washington, D. C. 20231

MAY 1 0 2002

Sir:

Technology Center 2600

In response to the Office Action mailed January 3, 2002, please amend the above-identified patent application as follows.

IN THE SPECIFICATION

Please amend the paragraph starting at page 4, line 24, to read as follows.

The low bandwidth communication link may be implemented using a Ka-band payload or satellite, for example, while the high bandwidth data broadcast link may be implemented using a Ku-band payload or satellite, for example. The at least one satellite provides "bent pipe" retransmission between a user terminal (consumer premises equipment) and the at least one gateway. The at least one user terminal preferably receives multicasts and data streaming using a high bandwidth link, and on-demand Internet access using a low bandwidth link. The user terminals transmit Internet requests using a low bandwidth link. The user terminals may store multicast and streaming data in the cache.

Please amend the paragraph starting at page 5, line 11, to read as follows.

Fig. 2 shows a map of the United States illustrating beam coverage and gateway locations employed in the system shown in Fig. 1;

Please amend the paragraph starting at page 12, line 14, to read as follows.

In a preferred embodiment of the present invention, requests are sampled (picked up or polled) by respective ones of the Ka-band spot beams in which the clients 125 are located, for example, and are relayed to the server area network 121. The server area network 121 retrieves the requested information, which is preferably located in the central cache 121a, or searches for and locates the information from one or more sources 130 (that provide content or information)